

**Before the**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**Washington, DC. 20554**

**In the Matter of**

**Amendment of Parts 2  
and 97 of the  
Commission's Rules  
Regarding the  
2300-2305 MHz Band**

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**RM-10165**

**To: The Commission**

**COMMENTS of Nikolaus E. Leggett**  
**N3NL Amateur Radio Operator**

The following are comments from Nikolaus E. Leggett, an amateur radio operator, inventor, patent holder (U.S. Patents # 3,280,929 and 3,280,930), and a certified electronics technician. I have also invented a proprietary electronics invention for an employer based on my amateur radio experience. This invention is currently in a pending application before the U.S. Patent and Trademark Office (USPTO).

I support the petition of the American Radio Relay League (ARRL) to create a primary domestic allocation for the Amateur Radio Service in the 2300 – 2305 MHz band.

We need this primary allocation so that amateur radio operators will have a useful allocation for experimentation and invention in this frequency range. Useful amateur allocations in various frequency bands are desirable because each frequency band has different radio propagation attributes and differences in the equipment design aspects. These allocations permit the amateur operators to experience these differences and stimulate new approaches, concepts, and inventions.

A primary allocation is needed so that the amateur operators will not be displaced from this frequency band by the growing pressure of commercial interests. We must make sure to protect the amateur radio independent inventors who are developing new technologies. The history of invention has shown repeatedly that the significant new inventions are usually produced by experimenters who are outside of the mainstream employees in the field. Amateur radio is the major opportunity for independent inventors, such as myself, to experiment and invent in the radio and wireless field.

Invention activity in this frequency band can include communications technologies, wireless transmission of power to rectifying antennas (rectennas), radio control of remote devices, radio imaging, and use of radio frequency devices for obstacle avoidance by the visually impaired.

This inventing is a national resource that should be protected and encouraged.

Thank you for your consideration of these comments.

Respectfully submitted,

**Nickolaus E. Leggett**  
**N3NL Amateur Radio Operator**  
**1432 Northgate Square, Apt. 2A**  
**Reston, VA 20190-3748**  
**(703) 709-0752**  
[nleggett@earthlink.net](mailto:nleggett@earthlink.net)

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A copy of these comments has been sent to the American Radio Relay League.